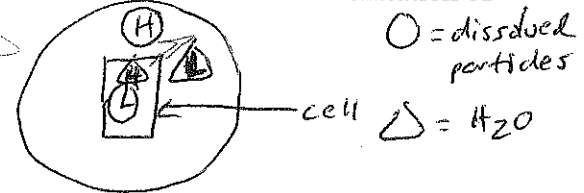


## BIOLOGY - Cell Structure and Function Test

### Modified True/False

Indicate whether the sentence is true or false. If false, change the identified word or phrase to make the sentence or statement true.

1. \_\_\_\_\_ When using a microscope you should always start on low power. **T or F**
2. cell wall The cell membrane is the organelle that maintains a plant cells shape. **T or F**
3. \_\_\_\_\_ Humans are an example of organisms that are eukaryotic. **T or F**
4. \_\_\_\_\_ The Golgi apparatus is in charge of delivering proteins. **T or F**
5. Hydrophobic The tails of phospholipid molecules are hydrophilic. **T or F**
6. \_\_\_\_\_ A hypertonic environment is when the outside environment has a lower concentration of water than the inside of a cell. **T or F**



### Multiple Choice

7. "The work of Schleiden and Schwann led to...  
 a. knowing that all plants are made of cells.  
 b. understanding all animals are made of cells.  
 c. the writing of the modern cell theory  
 d. knowing that all plants and animals are made of similar cells.
8. Which organelle converts food into compounds that the cell uses for growth, development, and movement?  
 a. Chloroplast    b. golgi apparatus    c. ER    d. mitochondria
9. Which of the following is not the job of the cell membrane?  
 a. Provide nutrients    c. regulate transport  
 b. Protection    d. provide anchoring sites
10. Cell bursting or rupturing is associated with  
 a. Cancers    b. hypertonic    c. hypotonic    d. bacteria
11. Which of the following is not the job of the cell membrane?  
 a. Provide nutrients    c. regulate transport  
 b. Protection    d. provide anchoring sites
12. Active transport uses energy (ATP) to move substances...  
 a. against the flow    c. by diffusion  
 b. against the concentration gradient    d. into the nucleus
13. What aspect of the cell membrane assists with cell shape and phase shift control  
 a. Phospholipid    c. cholesterol  
 b. Amphipathic    d. transmembrane proteins
14. Making strawberry kool-aid shows what type of transport?  
 a. Simple diffusion    b. active    c. mediated    d. facilitated
15. Which of the following is not a necessary cell function?  
 a. Must be able to take in substances  
 b. Must be able to repair and grow  
 c. Must be able to move  
 d. Must be able to deliver hormones to vital areas

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